

Biological Significance of Scent Glands in
Mammals, by P. Tarasov.

RUSSIAN, per, Zoolog Zhur, Vol XLIX, No 7, 1960,
pp 1062-1068.

CSIRO Tr 5152

Sci - Biol

157,836

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(DC-6654)

THE BIOLOGY OF THE RUDDY SHELDUCK (*TADORNIA
FERRUGINEA* FALL), BY A. G. BASHNIKOV, AND
P. P. TARASOV, 8 PP.

RUSSIAN, PER, KNE TRUDY BYURO NOL'TSEVNIYA,
NO 9, 1957.

JPRS 14786

SCI 5 BIOL

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BIOLOGICAL SIGNIFICANCE OF SCENT GLANDS IN MAMMALS (O Biologicheskoy Znamenii Pakhuchikh Zhelez u Mlekopitayushchikh). tr. by J. M. MacLennan. [1960] 8p. 17 refs. CSIRO Trans. no. 5152. Order from LC or SLA mi\$1.80, ph\$1.80 61-15967

Trans. of Zoologicheskoy Zhurnal (USSR) 1960, v. 39, no. 7, p. 1062-1068.

An analysis of the living conditions of various species and of intraspecific relations deduced therefrom leads to the conclusion that the biological function of musk glands in mammals is not a sexual one (for attracting or stimulating females) as has been stated in zoological literature, but consists in proclaiming the occupation of territory. Thus competition is lessened and a more uniform spatial distribution of individuals is achieved. The sexual significance of the musk glands is a secondary function, analogous to the function of antlers and tusks, which doubtless originated in competition between males. (Biological Sciences--Zoology, TT, v. 5, no.9) (over)

61-15967

1. Mammals--Ecology
2. Mammals--Physiology
3. Title: Scent glands
- I. Tarasov, P. P.
- II. CSIRO Trans-5152
- III. Commonwealth Scientific and Industrial Research Organization (Australia)

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S. P. Tarasov

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S. T. Tarasov, 5 pp.
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CID: 62-220.
Order from OTS, ETC or CIO \$0.80 62-29220

Trans. in Spanish of Tekstil'naya Promyshlennost'
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DESCRIPTORS: *Threads, Textiles.

(Materials, TT, v. 16, no. 7)

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I. Tarasov, S. V.
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DEVICE FOR SEMI AUTOMATIC REMOVAL OF
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Kolonn) tr. by G. L. Cairns. Jan 61 [3]p. Library
Communication no. 1026; [DSIR LLU] M3189.
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DESCRIPTORS: Reinforced concrete, Beams, Release
mechanisms, *Hoists, Construction

(Engineering--Civil, TT, v. 6, no. 11)

I. Tarasov, V. L.
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USDA Trans⁴No 121

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SLA 60-10104

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Determination of the Individual Hydrocarbon
Composition of Gasolines by the Combination
Method. Communication 6. Karachukhursk
Gasoline by B. A. Kazansky, G. S. Landsburg,
A. F. Plate, A. L. Liberman, E. A. Mikhailova,
Kh. E. Sterin, T. F. Bilanova, G. A. Tarasova,
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Full translation.

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Scientific - Chemistry
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Scientific - Chemistry
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4. Gasoline From Tuimazin Petroleum, by B. A.
Kazansky, G. S. Landsberg, A. F. Flate, P. A. Bazhulin,
E. A. Mikhaylova, A. L. Liberman, M. M. Sushchinsky,
G. A. Tarasova, S. A. Ukholin, S. V. Voronko, 10 pp.

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Communication 3. Surakhan Gasolines, by B. A.
Kazansky, G. S. Landsberg, A. F. Plate, A. N.
Liberman, E. A. Mikhaylova, P. A. Bashulin, M. I.
Betuev, S. A. Ukholin, T. F. Bulanova, G. A.
Tarasova, 10 pp.

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Scientific - Chemistry

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OTS 67/Apr 55

Preparation of 1,2,3,4,7,7-Hexachlorobicyclo-⁰
(2.2.1)Hepta-2,5-Diene by Condensation of
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A. F. Flate, G. A. Tarasova, 4 pp.

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Sci - Chem

May 59

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Communication 2. Two Gasolines From Kazanbulak
Petroleum, by B. A. Kazansky, A. F. Plata,
A. A. Mikhailova, A. I. Liberman, M. I. Batuev,
F. Bulanova, G. A. Tarasova, 10 pp.

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May 55 CTS/DEX

The Mechanism of the Catalytic Transformations of
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Comparative Behavior of Binary Mixtures of Heptane,
Heptene, and Toluene, by A. F. Plate and G. A. [unclear],
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Full translation

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Dec 53-CTS

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A NEW ROUTE FOR THE SYNTHESIS OF α,β -DISUBSTITUTED
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3 PP.

RUSSIAN, PER DOK AK NAUK SSSR, VOL CXLII, NO 2,
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SCI - CHEM
OCT 62

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POLARIZATION OF LUMINESCENCE AND THE NATURE OF
LUMINESCENT CENTERS IN NaCl-Ag AND KCl-Tl CRYSTALS,
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CIA/TDD IX-577

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics
Sep 59

USIS INTERNAL USE ONLY

98,060

Order from USA Sec 50, 1958

Tarasova, L. M. and Tarasov, V. V.
 ZERO VIBRATIONAL ENERGY OF CHAIN AND
 LAYER STRUCTURES AND THE HEAT CAPACITY.
 [1961] [12]p. 28 refs.
 Order from OTS or SLA \$1.60

61-16708

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1956,
 v. 107, no. 5, p. 719-722.

DESCRIPTORS: Vibration, *Lattices, *Crystals,
 Cadmium compounds, Iodides, Energy, Mathematical
 analysis.

The deviation, in percent, of the function

$$D_m = 3mR(T/\epsilon)^m \int_0^{\epsilon/T} x^{m+1} \exp x(\exp x - 1)^{-2} dx$$

from the previously expressed (Akad. Nauk SSSR Dok-
 lady 58: 577, 1947 and Zhur. Fiz. Khim. 24: 111, 1950)
 limiting law $C_2 = D_2 = 43.274R(T/\epsilon)^2$ was determined
 to be
 (Physics--Solid State, TT. v. 6, no. 7) (over)

61-16708

I. Tarasova, L. M.
 II. Tarasov, V. V.

Office of Technical Services

$$(\alpha C/C) = \left\{ [43.274 - 6] \int_0^{\infty} x^3 e^x (e^x - 1)^{-2} dx - 43.274 \right\} 100.$$

Here $x = h \nu / kT$, and $m = 1, 2$ or 3 . It is suggested that Dworkin, Sasmor and Van Artsdalen discontinued their measurements with CdI_2 (J. Am. Chem. Soc. 77: 1304, 1955) just when the T^2 law was beginning to be obeyed.

PB-

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